```
489 b.p. atgagaatttcg ... aacacttcttga
   DNA sequence
   1/1
                                              31/11
   atg aga att tog aaa oom oot tig aga agt att too ato cag tgo tao tig tgt tia ott
   Met arg ile ser lys pro his leu arg ser ile ser ile gin cys tyr leu cys leu ieu
T 61/21
                                              91/31
de cta aac agt cat tit cta act gaa got gge att cat gto tie att tig gge tgt tie agt
leu asn ser his phe leu thr glu ala gly ile his val phe ile leu gly cys phe ser
121/41
                                              151/51
ala gly leu pro lys thr glu ala asn trp val asn val ile ser asp leu lys lys ile

181/61

gaa gat ctt att caa tct atg cat att gat gct act tta tat acg gaa agt gat gtt cac

glu asp leu ile gln ser met his ile asp ala thr leu tyr thr glu ser asp val his
                                              271/91
   241/81
creagt type aaa gta aca gca atg aag type tit cto tig gag tia caa git att toa cit
  promser cys lys val thr ala met lys cys phe leu leu glu leu gln val ile ser leu
                                              331/111
   301/101
   gag too gga gat goa agt att cat gat aca gta gaa aat otg ato ato ota goa aac aac
   glu ser gly asp ala ser ile his asp thr val glu asn leu ile ile leu ala asn asn
                                              391/131
   361/121
   agt ttg tct tct aat ggg aat cta aca gaa tct gga tgc aaa gaa tgt gag gaa ctg gag
    ser leu ser ser asn giy asn val thr glu ser gly cys lys glu cys glu glu leu glu
                                              451/151
    421/141
    gaa aaa aat att aaa gaa ttt ttg gac agt ttt gta cat att gtc gac atg ttc atc aac
    glu lys asn ile lys glu phe leu asp ser phe val his ile val asp met phe ile asn
    481/151
    act tot tga (SEQ ID NO I)
    thr ser OPA (SEQ ID NO:2)
```

F19.1

```
atgagaatttcg ... aacacttcttga linear
DNA sequence
                489 b.p.
                                      31/11
1/1
atg aga att tcg aaa cca cat ttg aga agt att tcc atc cag tgc tac ttg tgt tta ctt
Met arg ile ser lys pro his leu arg ser ile ser ile gln cys tyr leu cys leu leu
                                      91/31
61/21
cta aac agt cat tit cta act gaa gct ggc att cat gtc tic att tig ggc tgt tic agt
leu asn ser his phe leu thr glu ala gly 1le his val phe ile leu gly cys phe ser
121/41
                                      151/51
ala gly leu pro lys thr glu ala asn trp val asn val ile ser asp leu lys lys ile
181/61
                                      211/71
gaa gat ctt att caa tct atg cat att gat gct act tta tat acg gaa agt gat gtt cac
glu asp leu ile gln ser met his ile asp ala thr leu tyr thr glu ser asp val his
                                      271/91
241/81
ccc agt tgc aaa gta aca gca atg aag tgc ttt ctc ttg gag tta caa gtt att tca ctt
pro ser cys lys val thr ala met lys cys phe leu leu glu leu gln val ile ser leu
                                      331/111
301/101
gag too gga gat goa agt att cat gat aca gta gaa aat otg ato ato ota goa aac aac
glu ser gly asp ala ser ile his asp thr val glu asn leu ile ile leu ala asn asn
361/121
                                      391/131
agt ttg tot tot aat ggg aat gta aca gaa tot gga tgo aaa gaa tgt gag gaa otg gag
ser leu ser ser asn gly asn val thr glu ser gly cys lys glu cys glu glu leu glu
                                      451/151
421/141
gaa aaa aat att aaa gaa ttt ttg cag agt ttt gta cat att gtc caa atg ttc atc aac
glu lys asn ile lys glu phe leu gln ser phe val his ile val gln met phe ile asn
481/161
act tot tga (SEQ ID NO 3)
thr ser OPA (SEQ ID NO-4)
```

Fig. 2

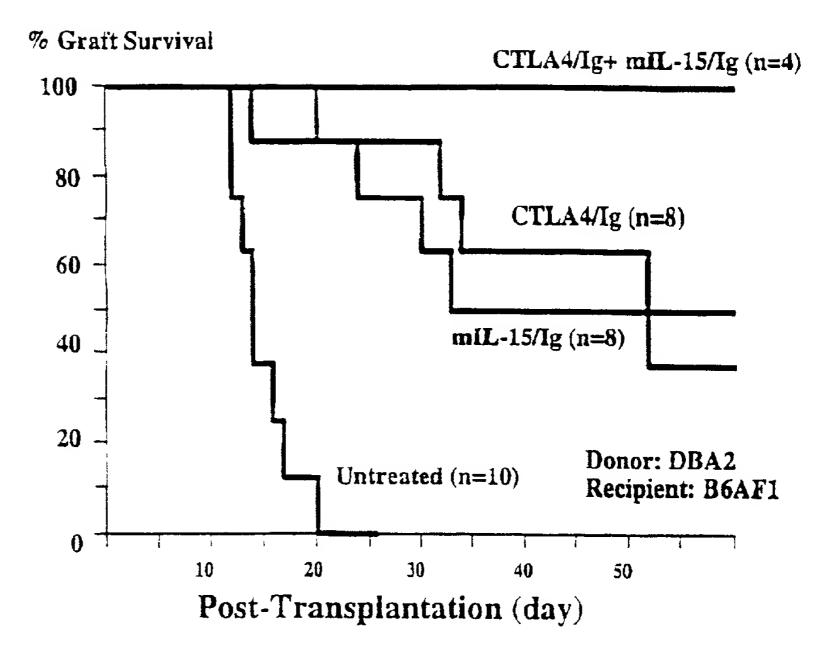


Fig. 3